

What is claimed is:

1. A cut-resistant composite comprising:

- a matrix, provided on at least one side with a fabric, said fabric, comprising at least
5 two layers and/or at least two directions of individual elements of which at least one
individual element is reinforced and which elements are interconnected by chemicals,
plastics, rubbers and/or by connection elements which connection is weaker than the
reinforced element, and
- at least one insulating layer interposed between said matrix and said fabric.

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2. A cut-resistant composite comprising:

- a matrix, provided on at least one side with a fabric, said fabric comprising at least two
individual layers of reinforcement elements whereby in each of said individual layers
all reinforcement elements are provided in only one same direction, said individual
15 layers being interconnected or deposited onto each other, and
- at least one insulating layer interposed between said matrix and said fabric.

3. The composite according to claim 1, whereby said fabric comprises free spaces between
the individual elements, and whereby preferably the volume of said free spaces in said fabric
20 is greater than the volume of the individual elements.

4. The composite according to claim 3, whereby the volume of the free spaces in said fabric
is comprised between 3% and 99%, preferably is more than 25%, and more preferably more
than 50% of the total volume of said fabric.

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5. The composite according to claim 1, comprising at least two insulating layers whereby at
least one layer is provided on one side of said fabric, and at least one other layer is provided
on the other side of said fabric.

30 6. The composite according to claim 5, wherein at least one insulating layer is able to act as a
positive electrical conductor, and wherein at least one other insulating layer is able to act as a
negative or neutral electrical conductor.

7. The composite according to claim 6, wherein the connection between said positive with said negative or neutral electrical conductor is capable of activating an alarm signal.

5 8. The composite according to claim 1, further comprising at least one insulating layer, whereby said layer is provided between two layers and/or two directions of individual elements of said fabric.

10 9. The composite according to claim 1, wherein the insulating layer and the matrix are made of material selected from the group consisting of silicone, a metal foil, damped or sputtered metal foil, rubber, and a polymer which is selected from the group consisting of PVC, polyester, polypropylene, polyamide, polyethylene, ethylene/butene copolymers (PEB), poly ethylene terephthalate (PET), polybutyl teraphthalate (PBT), polyvinylidifloride (PVDF), poly urethane (PU), and chlorinated PVC (PVCC), or other polymers or mixtures thereof.

15 10. The composite according to claim 1, whereon at least one side of said composite is provided with an adhesive layer.

20 11. The composite according to claim 10, wherein said adhesive layer is self-adhesive, optionally with a releasing back sheet.

12. The composite according to claim 11, wherein said adhesive layer is electro-conductive.

25 13. The composite according to claim 1, wherein at least one of the individual elements is partly or wholly electro-conductive and at least partly insulated.

30 14. The composite according to claim 13, wherein said electro-conductive material is selected from the group consisint of a metal thread, a conductive fiber, a conductive polymer, aluminum foil, damped and/or sputtered metals, damped and/or sputtered aluminum foil, and mixtures thereof.

15. The composite according to claim 14, wherein said conductive polymer is capable of being conductive until a predetermined temperature and wherein said polymer loses its conductivity above said predetermined temperature.

16. The composite according to claim 13, wherein the insulating material is selected from the group consisting of silicone, rubber, PVC, polyester, polypropylene, polyamide, polyethylene, ethylene/butene copolymers (PEB), poly ethylene terephtalate (PET), polybutyl teraphtalate (PBT), polyvinylidifloride (PVDF), poly urethane (PU), chlorinated PVC (PVCC), and mixtures thereof.

17. The composite according to claim 1, wherein the reinforcement elements in the fabric have an indirect connection with the insulating layer, said connection being created by chemicals, plastics, rubbers or by connection elements, such that the connection force between said elements and said layer is weaker than the reinforcement elements.

18. The composite according to claim 1, wherein the reinforcement elements in said fabric consist of single ends.

19. The composite according to claim 1, wherein the reinforced element is provided with joints or weakening points for enabling folding of the composite.

20. The composite according to claim 1, wherein said composite is selected from the group consisting of a tarpaulin; a cover; a canvas; a "convertible" for cars or other transport vehicle; a luggage or a parcel or another packing material; an upholstery composite reinforced in the form of seats chairs; a flexible in preference but also non-flexible door; a shelter and/or tent; a temporary wall or fence as used for exhibition rooms; a tape or zipper or other fastening means, preferably self-adhesive tape; a rope; a filter; and a gas absorber or liquid absorber suitable for use in the cabin of a vehicle for preventing the entry of toxic gases in said cabin.